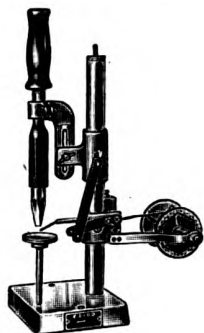


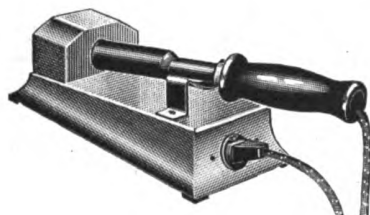
# ESICO

REG. U. S. PAT. OFF.

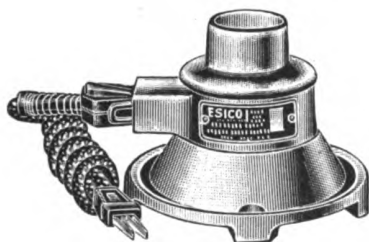


Illustrated is the ESICO 100 watt soldering iron. This is the most popular size for fast continuous soldering in radio factories. Also popular with service men for the reason that it comes to heat quickly due to the fairly high wattage for a small iron. It is not recommended for use where the iron is to be left on the circuit and will have long periods between actual soldering applications. A smaller wattage iron is required in this instance, or this iron should be placed in a temperature regulating stand to prevent it from overheating. Irons are obtainable with tips which screw into the element core, or with so called plug tips which slide into the element core.

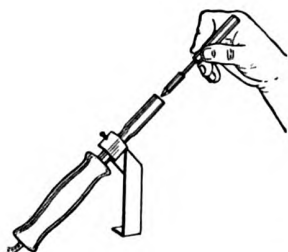
The machine on the left is the ESICO Spot Soldering machine. It is operated with a treadle which advances the iron so that it comes down and makes contact with the solder and the part to be soldered. The solder advances as the iron moves upward and is in position for the next operation.



The ESICO temperature control stand cuts the iron in and out of the circuit thus preventing it from overheating when lying idle. Soldering irons must be made with a surplus of heat capacity in order to withstand the drain on them when they are bringing the work to be soldered to temperature. Consequently, they can not be left on the circuit continuously without heat being taken from them.



ESICO solder pots are used for dipping the ends of wires, lugs, etc., for the purpose of tinning them prior to soldering into assemblies.



The illustration to the left shows an ESICO plug tip soldering iron, held in a bench bracket and a small pencil soldering copper being removed from it. This very small pencil iron is used for soldering extremely small items. It is a popular method of soldering in electric meter manufacturing establishments, where connections often are soldered under a magnifying glass. This is due to the fact that the wires being soldered are very small and minute quantities of solder are applied.

## ELECTRIC SOLDERING IRON CO., Inc.

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